

## **SECTION 01010**

Revised: 5 Nov 08

### **ENVIRONMENTAL CONSTRUCTION REQUIREMENTS**

#### **PART 1 GENERAL**

##### **1.1 REFERENCES**

The publications listed below form a part of this specification to the extent referenced.

- Code of Federal Regulations (CFR)
- California Code of Regulations (CCR)
- Air Force Instruction (AFI)

##### **1.2 DEFINITIONS**

Accumulation Point Area -- Storage area where hazardous waste is accumulated before transfer to a TSD facility. (Reference Satellite Accumulation Point).

Green Procurement -- Required by RCRA and EO 12783. Federal agencies must establish programs to encourage the purchase of products containing recycled materials. It establishes preferences for products containing recycled materials and promotes buying recycled materials.

Asbestos -- Naturally occurring silica type mineral used in many common building materials as protection and insulation from fire, heat and noise. Inhalation of friable (crumbled) fibers can cause lung damage and cancer. AF policy is to encapsulate/enclose asbestos whenever possible, and to remove it only when absolutely necessary (i.e. demolition or renovation of a building).

Chlorofluorocarbon (CFC) -- A class of compounds that are primary contributors to the depletion of the Earth's protective ozone layer. Examples include Halon, aerosol propellants, and refrigerants.

Community-Right-To-Know -- Requirement of SARA, Title III, in which industries must make local communities aware of the types and quantities of chemicals used in their industrial processes. AF is not required to comply, but DOD policy is to comply with intent of act.

Contaminant -- Any substance that degrades an environmental resource or makes it unfit or unsafe for typical use.

Cradle-to-Grave Management -- A concept under RCRA and CERCLA. Once a HW is generated, the generator is responsible for that waste until it is reclaimed, recycled, or declared no longer hazardous. Landfill or deep well injection does not relieve the generator of liability; as long as it exists in any form, so does the liability.

Department of Transportation (DOT) -- Regulates the types of container markings, labeling and placarding for transportation of HM and HW.

Environmental Impact Analysis Process (EIAP) -- Designed to meet the requirements of NEPA. EIAP ensures that environmental factors are considered in the decision-making process.

Environmentally Preferable -- Means products or services that have a lesser negative effect on human health or the environment when compared with competing products or services that serve the same purpose. This comparison should use principles recommended in guidance issued by EPA, and may consider raw materials acquisition, production, manufacturing, packaging, distribution, reuse, operation, maintenance, or disposal of the product or service.

**Environmental Sound** -- A product or service that minimizes damage to the environment and is less harmful to the environment to use, maintain and dispose in comparison to a competing product or service.

**Hazardous Materials** -- Any material that, in quantity or form has the potential to harm human health or the environment.

**Hazardous Substance** -- Any material that poses a threat to public health and/or the environment. Typical hazardous substances are materials that are toxic, corrosive, ignitable, or reactive.

**Hazardous Waste** (HW) -- Any waste by-products of society that can pose a substantial or potential hazard to human health or the environment when managed; and possesses one or more of the five characteristics that are listed in Title 40 CFR 261.3 or Title 22 California Code of Regulations (CCR), Division 4.5.

**HAZCOM (Hazardous Communication Program)** -- An AFOSH program to ensure that all hazardous wastes stream.

**Hazardous Waste Characterization** -- The identification, description, and quantification of a substance, elimination or process change.

**HAZMIN (Hazardous Minimization)** -- An AF program to eliminate/reduce HW through workers understand hazards inherent in their workplace.

**Installation Restoration Program (IRP)** -- IRP is designed to investigate, evaluate, and remediate environmental impacts of past disposals actions on AF installations. IRP is the Air Force equivalent to Superfund cleanup.

**Material** -- A raw material, parts, items, components, and end products.

**Material Safety Data Sheets (MSDS)** -- Forms that contain information on the manufacturer, physical properties, hazards, and chemical composition of a product. The base BE is required to maintain copies of MSDSs for all chemicals used on base. Material Control is responsible to ensure that each manufacturer supply these sheets whenever chemicals are ordered.

**National Ambient Air Quality Standards (NAAQS)** -- Standards set under CAA for ambient air quality for six standard pollutants: ozone, carbon monoxide, lead, nitrogen oxides, sulfur oxides, and particulate matter.

**National Emissions Standards for Hazardous Air Pollutants (NEHAP)** -- Air pollutants against which no NAAQS have been set, but which can be reasonably expected to cause or contribute to death or illness. Current air pollutants regulated under NEHAP are asbestos, benzene, vinyl chloride, inorganic arsenic, beryllium, mercury, and radio nucleides.

**New** -- Previously unused or composed of previously unused materials and may include unused residues, inorganic arsenic, beryllium, mercury, and radio nucleides.

**Notice of Violation (NOV)** -- A formal legal notice from either a state, local or federal regulatory agency that an installation has violated applicable laws or regulations.

**National Pollution Discharge Elimination System (NPDES)** -- Under the CWA, NPDES is the oldest environmental permitting act in the country. Controls direct point discharges into the nation's surface waters for types and amounts of pollutants.

**Opportunity Assessment** -- EPA Pollution prevention manual) A survey to identify opportunities to reduce waste streams.

**Ozone** -- An oxygen compound ( $O_3$ ) that absorbs UV radiation. (UV is strongly carcinogenic) Ozone Depleting Substance (ODS) -- Is a substance identified as having a depleting effect on the Earth's ozone layer. The terms Ozone Depleting Substance, Ozone Depleting Substances (ODC), and Ozone Layer Depleting Substance are synonymous. Ozone Depleting Substances are Class I substances included in the Clean Air Act Amendments of 1990.

Polychlorinated biphenyl (PCB) – Are used in electrical transformers and capacitors to increase heat carrying capacity and have been identified as highly carcinogenic. PCB spill cleanup plans are included as part of the base's spill response plan.

Pollution Prevention Program (PPP) -- Any program or practice that reduces quantity of substance, pollutants or contaminants in the waste stream.

Recovered Material -- Are waste materials and by-products that have been recovered or diverted from solid waste.

Recycling -- Is the series of activities, including collection, separation, and processing, by which products or other materials are recovered from the solid waste stream for use in the form of raw materials in the manufacture of products other than fuel for producing heat or power by combustion.

Recycled Material -- Is a material that can be utilized in place of raw or virgin material in manufacturing products.

Remanufactured -- Means factory rebuilt to new equipment performance specification and unused subsequent to rebuilding.

Remediation -- Term used to describe the cleanup of a HW site. Can mean engineering solutions to reduce health impacts (i.e. capping, fusing) or return of site to original conditions.

Restoration -- The application of containment or decontamination technologies to eliminate existing public hazards or to render the property acceptable for conditional or unconditional use.

Release -- The accidental emission of contaminants into the environment.

Satellite Accumulation Point -- Area, in or near workplace, in which HW is accumulated before transfer to the accumulation point. (Reference Accumulation Point.)

Solvents -- Cleaning agents and degreasing compounds, sometimes used as refrigerants and aerosols.

Suitable Substitute -- Is an alternative to ODS use that is determined to be technically, economically, and legally feasible through elimination, process modification, or material substitution.

Treatment, Storage and Disposal (TSDF) Facility -- Is a facility/operator that renders harmless or indefinitely stores hazardous waste.

Underground Storage Tanks (UST) -- Any tank with 10% or more of its volume underground, which contains regulated substances, and is subject to the design and monitoring standards of Hazardous and Solid Waste Amendments.

Volatile Organic Compounds (VOC) -- Organic compounds (primarily composed of hydrogen and carbon, but can contain oxygen, nitrogen, sulfur, chlorine, and fluorine) which have a relatively low vapor pressure (evaporates easily). Many VOCs contribute to photochemical smog. Many are also carcinogenic.

Waste Prevention -- Also known as source reduction, means any change in the design, manufacturing, purchase, or use of materials or products (including packaging) to reduce their amount of toxicity before they become municipal solid waste. Waste prevention also refers to the reuse of products or materials.

Waste Reduction -- Means preventing or decreasing the amount of waste being generated through waste prevention, recycling, or purchasing recycled and environmentally preferable products.

AF	Air Force	ANSI	American National Standards Institute	BEE	Bioenvironmental Engineering	CAA	Clean Air Act	CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	CELS/CLEAN	Civil Emergency Environmental Response, Compensation, and Liability Act	CFC	Chlorofluorocarbon	CFR	Code of Federal Regulations	CWA	Clean Water Act	DOE	Department of Energy	DRMO	Defense Reutilization and Marketing Office	EA	Environmental Assessment	EC	Environmental Coordinator	ESOCAMP	Environmental Safety and Occupational Health Compliance Assessment	EIAF	Environmental Impact Assessment	EPA	Environmental Protection Agency	FIFRA	Federal Facilities Compliance Act	FWPCA	Federal Pollution Control Act	HAZCOM	Hazardous Communications Program	HM	Hazardous Materials	HSWA	Hazardous and Solid Waste Amendments	HW	Hazardous Waste	IRP	Industrial Restoration Program	MSDS	Material Safety Data Sheet	NEPA	National Environmental Policy Act	NOV	Notice of Violation	NPDES	National Pollution Discharge Elimination System	OA	Opportunity Assessment	ODC	Ozone Depleting Compound	OSHA	Occupational Safety and Health Administration	POL	Petroleum, Oils, and Lubricants	PPP	Pollution Prevention Program	RCCA	Resource Conservation and Recovery Act	SARA	Superfund Amendments and Reauthorization Act	SDWA	Toxic Substances Control Act	TSCA	Treatment, Storage and Disposal	TSD	Underground Storage Tank	UST	Unregulated Substances Control Act
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## 1.3 ACRONYMS

## **1.4 ENVIRONMENTAL COMPLIANCE REQUIREMENTS**

- 1.4.1 The Federal government is not exempt from compliance with environmental regulations. The Contractor shall comply, and ensure that all Sub-Contractors comply with all applicable Federal, State, and local regulations and Air Force policies, instructions and plans. The Contractor shall provide environmental protective measures and procedures to prevent and control pollution, limit habitat disruption, and correct or prevent environmental damage that may occur during construction. The Contractor shall maintain an awareness of changing environmental regulatory requirements to avoid any environmental deficiencies.
- 1.4.2 The 61st Air Base Wing, Environmental Engineering Dept, 61 CELS/CEAN, is the single point of contact with environmental regulatory agencies for all Los Angeles Air Force Base (LAAFB) properties. If the Contractor is required to make contact with an environmental regulatory agency for items such as notifications and obtaining permits, then the Contractor shall first obtain approval from 61 CELS/CEAN through the Contracting Officer.
- 1.4.3 The Contractor shall comply with all environmental regulations pertaining to all activities performed on LAAFB properties that are subject to Federal, State, local regulations, and Air Force policies, instructions and plans including, but not limited to: National Environmental Policy Act (NEPA); Endangered Species Act; National Historic Preservation Act (NHPA); Archaeological Resources Protection Act (ARPA); Resource Conservation and Recovery Act (RCRA); Hazardous and Solid Waste Amendments; Pollution Prevention Act; Clean Water Act (CWA); Clean Air Act (CAA); Safe Drinking Water Act (SDWA); Emergency Planning and Community Right to Know Act (EPCRA); and Toxic Substances Control Act (TSCA).
- 1.4.4 The Contractor shall comply with all conditions and consultation requirements of environmental regulatory agency permits, notifications, registrations and plans. The Contractor shall be responsible for obtaining all required permits, registrations and plans as required by Federal, State, and local regulatory agencies to perform the conditions of their contract. The local agencies typically involved in activities on LAAFB properties include, but are not limited to: Sanitation Departments, City Department of Public Works, State Historical Preservation Officer (SHPO), Certified Unified Program Agency (CUPA), Regional Water Quality Control Boards (RWQCB), and Air Quality Management Districts (AQMD).
  - 1.4.4.1 The Contractor shall comply with all mitigation requirements and environmental protection measures resulting from the NEPA process and AFI 32-7061, Environmental Impact Analysis Process (EIAP); and 32 CFR 989 performed by 61 CELS/CEAN. These process results include, but are not limited to: Categorical Exclusions (CATEXs); Environmental Assessments (EAs); Environmental Impact Statements (EISs); AF Form 813s; AF Form 332s and AF Form 103s.
  - 1.4.4.2 The Contractor shall comply with all required construction activity mitigation, monitoring, record keeping, and environmental protection measures including, but not limited to: archaeological monitoring; biological monitoring; air monitoring,

- A description of the area involved.
- The exact time and location of spill.
- Whether amount spilled was a reportable quantity to any Federal, State, or local regulatory agency, and if so, when it was reported.
- A description of item spilled (identity, quantity, manifest number).

**1.4.7** The Contractor shall report all spills or leaks, regardless of their quantity to initial notification of the spill. The report shall contain:  
61 CELS/CLEAN through the Contracting Officer immediately. A written report shall be submitted to 61 CELS/CLEAN through the Contracting Officer within 24 hours after

shall implement any corrective actions to prevent a recurrence of the environmental aggrieved upon suspension required to close out the environmental deficiency. The Contractor agreed upon suspension required to resolve any environmental deficiency and any work within the Air Force system to resolve any environmental deficiency and any notification within three (3) workdays of receiving their NOV. The Contractor shall the Contracting Officer within 24-hours of receiving their NOV followed by written notices. The Contractor shall provide verbal notification to 61 CELS/CLEAN through and corrective actions imposed by federal, state, or local environmental regulator

be granted or allowed to the Contractor for any such suspension that occurs. corrective action is taken. Time extensions, additional costs, or damages shall not Officer may issue an order stopping all or part of the work until satisfactory noncompliance. If the Contractor fails to comply promptly, the Contracting Officer of proposed corrective action and take action to correct the environmental regulations or permits, the Contractor shall inform the Contracting noncompliance with contract requirements or Federal, State, and Local

**1.4.5.3** If the Contracting Officer notifies the Contractor in writing of any observed and results shall be submitted to 61 CELS/CLEAN through the Contracting Officer. agencies and the results of those inspections. Documentation of the inspections Officer of all inspections conducted by outside Federal, State, and Local regulatory

Contractor shall be responsible for correcting any of their environmental deficiency resulting from an audit/inspection and the Contractor shall provide the required documentation to 61 CELS/CLEAN through the Contracting Officer to close out the environmental deficiency.

**1.4.5.2** The Contractor shall immediately notify 61 CELS/CLEAN and the Contracting and results shall be submitted to 61 CELS/CLEAN through the Contracting Officer.

**1.4.5.1** The Contractor shall provide required documentation to support any Federal, State, Local, or Air Force agencies that may conduct an audit/inspection. The facilities, equipment, and devices under the Contractor's purview.

**1.4.5** The Contractor shall promptly support 61 CELS/CLEAN through the Contracting with all of the Government, Air Force, or regulatory agency inspections. The Contractor shall support all scheduled and unscheduled environmental audits/inspections of site restoration; best management practices; and mitigation plans to reduce environmental impacts prior to, during, or after activities on LAAF properties.

- 1.4.8 The Contractor shall maintain and store records for its functional areas that require a permit, as a permit condition, or are related to an environmental regulation requirement to maintain and store records for activities under the Contractor's control. The Contractor shall provide documentation to 61 CELS/CEAN through the Contracting Officer upon request.
- 1.4.9 The Contractor shall be prepared to describe and discuss, during the pre-construction conference, the details of their environmental compliance program for their activities on LAAFB properties.

## 1.5 SUBMITTALS

- 1.5.1 The Contractor shall provide all required submittals to 61 CELS/CEAN through the Contracting Officer prior to commencement of work. All submittals must be reviewed and approved by 61 CELS/CEAN prior to commencement of work.
- 1.5.2 The Contractor shall provide the following Environmental Compliance Submittals, as required, to the Contracting Officer for approval by 61 CELS/CEAN:
  - Environmental Protection Plan (Section 1.6).
  - List of all equipment requiring permits/registrations by the local Air Quality Management District and a copy of the permit/registration, or a memo stating that no permits/registrations are required (Section 1.7).
  - Hazardous Waste Certification & Hazardous Waste Transporter/TSDF Documentation (Section 1.8).
  - Copies of AF Form 3952, Chemical/Hazardous Material Request Authorization, MSDSs and Monthly Hazardous Material quantity usage totals (Section 1.9).
  - Hazardous Materials Spill/Release Report (Section 1.10)
  - Green Procurement Determination Form and Estimate/Certification Form (Section 1.11)
  - Construction & Demolition Debris Report (Section 1.13).
  - State Water Resources Control Board NPDES General Permit Notice of Intent (NOI), Stormwater Pollution Prevention Plan and Draft Notice of Termination (Section 1.14).
  - Lead-Based Paint Abatement submittals as required under Specification Section 02086. (Section 1.15)
  - Asbestos Abatement submittals as required under Specification Section 02085. (Section 1.16)
  - AST Technical Information and Site Specific Spill Prevention Control & Countermeasure Plan (Section 1.19).

## 1.6 ENVIRONMENTAL PROTECTION PLAN

- 1.6.1 The Contractor shall, prior to the start of activities on LAAFB properties, provide their Environmental Protection Plan (EPP) to the Contracting Officer for approval by 61 CELS/CEAN. The Contractor shall allow five (5) working days for 61 CELS/CEAN to provide comments and/or the Government to approve the EPP prior to the commencement of the Contractor's activities on LAAFB properties. The plan shall detail actions that the Contractor shall take to comply with all applicable Federal, State, and local regulations regarding environmental protection, pollution control, hazardous

Environmental Construction Requirements  
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## Environmental Construction Requirements

### Section 01010

- The name of the individual who will report any spills or hazardous substance releases and who will follow up with complete documentation (This person shall immediately notify the Contracting Officer and 61 CELS/CEN).
- Immediate emergency response actions and notifications.
- Evacuation, notification, fire fighting equipment, and first aid capability.
- Emergency plan procedures.
- Clean up equipment and supplies list.
- Spill control, secondary containment, and clean up procedures.
- MSDS and hazardous waste profile sheets location and availability.
- Emergency equipment list and location to construction activities.
- Accomplishing the training.
- The training requirements for the Contractor's personnel and methods of emergency coordinator contact information and site location(s).

### 1.6.1.4 Emergency Response and Spill Prevention (See Section 1.10)

- 61 CELS/CEN.
- During performance of contract for review and approval of material Safety Data Sheets (MSDS) of all hazardous materials to be used during performance of contract.
- Hazardous material list and quantities to be used during performance of contract.
- How reporting of monthly usage totals will be accomplished.
- Hazardous material pharmacy registration procedures.
- Hazardous material site management, spill prevention, and site storage.
- Source Reduction.
- Hazardous material pollution prevention, "green" substitutions, reuse, and recycling.
- How reporting of monthly usage totals will be accomplished.
- Hazardous material list and quantities to be used during performance of contract.
- Material Safety Data Sheets (MSDS) of all hazardous materials to be used during performance of contract.
- The training requirements for the Contractor's personnel and methods of emergency coordinator contact information and site location(s).

### 1.6.1.3 Hazardous Materials (See Section 1.9)

- Hazardous waste stream analysis including type and quantity.
- Hazardous waste site management and site security.

### 1.6.1.2 Hazardous Waste (See Section 1.8)

- Class I Ozone Depleting Substances (ODS).
- List of equipment requiring permit/registration.
- Sandblasting/corrosion control.
- Adhesives and sealant usage and reporting requirements.
- Solvent Usage and reporting requirements.
- Coating and painting usage and reporting requirements.
- Demolition, site clearing, grading, excavation, backfilling, and trenching.

### 1.6.1.1 Air Quality (See Section 1.7)

Following:

The environmental protection plan shall include, but not be limited to, the physical work at the site shall commence without prior acceptance of the Contractor's plan. The environmental protection plan shall include, but not be limited to, the physical abatement, and any additional specific requirements of their contract. No materials abatement, and any additional specific requirements of their contract. No

- Post-emergency response actions and notifications.

#### 1.6.1.5 Green Procurement and Recovered/Recycled Materials (Section 1.11)

- Description of green procurement program established utilizing elements under 1.11.
- Certificates of compliance indicating the percentage of recovered material contained in the construction products for all construction products.
- Completion/compliance with forms in section 1.11.3

#### 1.6.1.6 Construction Waste for Non-Hazardous Waste (See Sections 1.12 and 1.13)

- Analysis of the solid waste materials to be generated, including types and quantities.
- Procedures to reduce solid waste such as source reduction, reuse, and recycling materials to avoid disposal in landfills or as hazardous waste.
- Procedures to keep solid waste from being contaminated and in a condition required for acceptance by a designated reuse, recycling, or disposal facility.
- How concrete, asphalt, clean soil, and green waste will be reused and/or disposed.

#### 1.6.1.7 Waste Water and Storm Water Pollution Prevention (See Section 1.14)

- Identify what processes will produce on-site water effluent discharges, including quantities.
- Identify known or potential contaminates to be included in water effluent.
- How the water will be contained, sampled, and disposed or discharged.
- How storm water and run off water will be prevented from migrating off site, into sanitary sewer systems, and into storm water systems.

#### 1.6.1.8 Cultural and Natural Resource Protection (See Sections 1.21 and 1.22)

- How impacts to cultural resources will be avoided and/or minimized, and how the resource will be protected and/or restored.
- How impacts to natural resources will be avoided and/or minimized, and how the resource will be protected and/or restored.

#### 1.6.2 SUBMITTALS: The Contractor shall provide the following submittal to 61 CELS/CEAN through the Contracting Officer for approval, prior to the start of any activities on LAAFB.

- Environmental Protection Plan.

- 1.8.1.1 Prior to the disposal of any hazardous waste generated on LAAF properties, the Contractor shall contact 61 CELS/CLEAN at (310) 653-5491.
- 1.8.1 The Contractor shall comply with all applicable Federal, State & Local hazardous waste regulations including, but not limited to: Resource Conservation and Recovery Act; 40 CFR Parts 240-299; CFR 49 Parts 171-180; Title 22 California Code of Regulations (CCR), Division 4.5; AFI 32-7042, Solid and Hazardous Waste Compliance; AFI 32-7043, Hazardous Waste Management; and 61 CELS/CLEAN Hazardous Waste Management Plan and Hazardous Waste Emergency Response Plan.

## 1.8 HAZARDOUS WASTE REQUIREMENTS

- Copy of all AQMD Permits and/or Registrations for all applicable equipment, prior to starting any air quality activities on LAAF properties.
- 1.7.7 SUBMITTALS: The Contractor shall provide the following submittal to 61 CELS/CLEAN through the Contracting Officer for approval, prior to the start of any air quality activities on LAAF properties.
- 1.7.6 When the Contractor is required to add a new or modify an existing AQMD permit on LAAF properties, the Contractor shall first obtain approval from 61 CELS/CLEAN through the Contracting Officer.
- 1.7.5 The Contractor shall not make use of, nor provide to the Government, any chemical, solvent, material, or any system making use of materials classified as a Class I Ozone Depleting Substances (ODS). When the Contractor is required to work on any equipment of the requirements stated by the local AQMD and Clean Air Act, Section 608.

1.7.4 The Contractor shall immediately report permit violations to 61 CELS/CLEAN and the Contracting Officer.

1.7.3 The Contractor shall comply with all conditions and requirements of all applicable permits or California Statewide Equipment Registration conditions and requirements.

1.7.2 The Contractor shall provide copies of all AQMD permits, notifications and registrations to 61 CELS/CLEAN through the Contracting Officer, a list of all equipment requiring AQMD permits is required, prior to starting any air quality activities on LAAF properties.

1.7.1 The Contractor shall comply with all applicable Federal, State & Local air quality regulations including, but not limited to: Local Air Quality Management District (AQMD) rules, regulations and fees; AQMD permits, notification and registration requirements; California Air Resources Board standards, controls, and equipment registration requirements; AFI 32-7040, Air Quality Compliance; and 61 CELS/CLEAN, Environmental Management Inventory inventories.

## 1.7 AIR QUALITY REQUIREMENTS

1.8.1.2 The Contractor shall coordinate the required hazardous waste documentation (hazardous waste manifests and land disposal restriction forms) through the Contracting Officer to 61 CELS/CEAN in order for the Government to accept, properly track, report, and dispose of all of the hazardous waste generated on LAAFB properties.

1.8.1.3 The Contractor shall comply with the following hazardous waste management requirements:

- The Contractor shall segregate hazardous waste from other materials and wastes, and protect it from the weather by placing it in a safe, covered location. Precautionary measures against accidental spillage, such as berthing or other appropriate measures shall be taken. Hazardous waste shall not be dumped onto the ground, into storm sewers or open watercourses, or into the sanitary sewer system.
- The Contractor shall package, mark, label, and placard all items in such a manner that all applicable Federal, State, and local regulations are met. If items must be packaged for proper shipment, the Contractor shall provide and affix the appropriate placards to each vehicle prior to leaving LAAFB premises.
- If the Contractor elects to package compatible items in the same container, the Contractor shall provide an all-inclusive packing list showing each item and its respective quantity and weight.
- The Contractor shall label all waste containers generated from projects and place them in an approved accumulation site prior to disposal. The Contractor must remove waste within 15 days of generation from the accumulation site. The Contractor will be responsible for supplying their own containers or bins for large abatement projects. The labels shall include at a minimum:

- Generator's name and address
- EPA ID number
- CA ID number
- Contents of waste
- Accumulation start date

- The Contractor shall prepare all necessary hazardous waste manifest(s), land disposal restriction notification(s), and any other shipping documents for signature by an authorized Government representative. Hazardous waste manifests and land disposal restrictions shall be provided to 61 CELS/CEAN through the Contracting Officer for approval 72 hours prior to pickup. The EPA generator identification number will be provided upon request. All manifests shall be submitted to the 61 CELS/CEAN office at:

61 CELS/CEAN  
Los Angeles Air Force Base  
483 N. Aviation Blvd. B272  
El Segundo, CA 90245-2808

1.8.1.4 The Contractor shall be responsible for all costs associated with the proper site

- Any additional information required by 61 CELS/CEAN
- Certificate of insurance
- EPA identification number/registration number
- General transporter information
- Facility Address
- Facility Name

the following information on the TSDF to be used:

61 CELS/CEAN through the Contracting Officer. The Contractor shall provide

1.8.1.10 The treatment, storage, disposal facility (TSDF) shall be approved by

- descriptions.
- materials reflected on shipping papers by "not otherwise specified"
- Ensuring technical names will be included in the descriptions of emergencies, and
- Ensuring response information to personnel reacting to emergencies number supplied by the disposal contractor, which is monitored 24 hours a day in order to provide immediate, detailed telephone number received by the disposal contractor, which is materials are received, stored, or handled during transportation;
- Ensuring shipping papers will contain an emergency response vehicles and maintained at facilities where hazardous waste and materials are received, stored, or handled during transportation;
- Ensuring that emergency response information is carried on transport regulations including, but not limited to:

1.8.1.9 The Contractor shall ensure compliance with transportation regulations including, but not limited to:

- Any additional information required by 61 CELS/CEAN
- Certificate of insurance
- EPA identification number/registration number
- General Facility information
- Transporter Address
- Transporter Name

Officer.

1.8.1.8 The transporter shall be approved by 61 CELS/CEAN through the Contracting

hazardous waste generated on LAAFB.

1.8.1.7 The Contractor shall not sign any Uniform Hazardous Waste Manifests for any

Officer.

1.8.1.6 The Contractor shall not remove any hazardous waste generated on LAAFB properties without approval from 61 CELS/CEAN through the Contracting

1.8.1.5 The Contractor shall comply with and ensure all Sub-Contractors comply with all Federal, State, and local regulations regarding hazardous waste transportation.

source reduction measures prior to the disposal of the waste.

contamination, labeling, obtaining drum numbers, and the implementation of management, profiling, accurate characterization, temporary site storage areas,

1.8.1.11 Waste identification and analysis shall be the responsibility of the Contractor.

Laboratory analysis results shall be provided to 61 CELS/CEAN through the Contracting Officer for review. The Contractor shall be responsible for managing both hazardous and non hazardous waste in accordance with applicable Federal, State, and local regulations.

- 61 CELS/CEAN shall determine whether waste streams are hazardous in accordance with 40 CFR 262 and 22 CCR 66261, by using either generator knowledge of the waste or by interpretation of Contractor's analytical testing of representative samples in accordance with SW-846.
- The Contractor shall test any demolition waste containing LBP to determine acceptable regulatory disposal methods. All lead containing waste shall be disposed of as hazardous waste in accordance with 22 CCR and 40 CFR, unless proved to be a non hazardous waste utilizing the Total Threshold Limit Concentration (TTLC), Soluble Threshold Limit Concentration (STLC), and Toxicity Characteristic Leaching Procedure (TCLP) tests. 61 CELS/CEAN shall approve all disposal methods.
- The Contractor shall ensure that the fueling and lubrication of equipment and motor vehicles be conducted in a manner that affords the maximum protection against spills and evaporation. Lubricants and waste oil to be discarded shall be stored in marked corrosion-resistant containers and recycled or disposed in accordance with Federal, State, and local regulations.

1.8.2 SUBMITTALS: The Contractor shall provide the following submittals to 61 CELS/CEAN through the Contracting Officer for approval, prior to conducting any hazardous waste activities on LAAFB properties.

- Hazardous Waste Certification of Compliance
- Hazardous Waste Transporter and TSDF Documentation

## 1.9 HAZARDOUS MATERIAL REQUIREMENTS

1.9.1 The Contractor shall comply with all Hazardous Material Requirements including, but not limited to: OSHA Act, 29 CFR; Hazardous Materials Transportation Act, 49 CFR; EPCRA, Title 8 CCR; and AFI 32-7086, Hazardous Material Management.

1.9.2 The Contractor shall obtain approval from the Government's Hazardous Material Supply System (Hazardous Material Pharmacy), by registering all of their hazardous materials (HAZMATs) with 61 CELS/CEAN, Bldg 272, (310) 653-5512, prior to using any HAZMATs on LAAFB properties.

1.9.3 The Contractor shall obtain approval from the Government's HAZMAT Pharmacy for all HAZMAT usage by processing an AF Form 3952, Chemical/Hazardous Material Request Authorization with attached MSDSs, prior to using any HAZMAT on LAAFB properties. Upon approval, a tracking label will be assigned. This label shall be affixed to the HAZMAT container at all times.

- 1.10.1 The Contractor shall comply with all spill/release requirements including, but not limited to: Oil Pollution Act; 40 CFR; 14 CCR; 22 CCR; 23 CCR; 61 CELS/CLEAN's Spill Prevention, Control and Countermeasure Plan (SPCC), Hazardsous Waste Management Plan and Hazardous Waste Emergency Response Plan.

## 1.10 SPILL/RELEASE AND CLEANUP REQUIREMENTS

- Copies of AF Form 3952, Chemical/Hazardous Material Request Authorization
- MSDS for each Hazardous Material
- Monthly Hazardous Material quantity usage totals and POC

- 1.9.7 SUBMITTALS: The Contractor shall provide the following submittals to 61 CELS/CLEAN through the Contracting Officer for approval, prior to conducting any hazardous material activities on LAAF properties.

- 1.9.6.3 The Contractor shall be responsible for conducting and documenting employee hazard training prior to the commencement of work on LAAF properties.

- 1.9.6.2 Upon completion of the contract, the Contractor shall remove all HAZMATS from the premises and dispose of them appropriately as required by Federal, State and local requirements.

- 1.9.6.1 All hazardous material used on LAAF properties shall contain a hazardous material labeling label. The label shall include a list of hazardous chemical(s), name and address of the chemical manufacturer in accordance with Federal, State and local requirements.

- 1.9.6 The Contractor is responsible for hazardous materials, including all labeling requirements and storage, until removal of the hazardous materials from LAAF properties.

- 1.9.5.2 The Contractor shall provide written notification of changes in the MSDSs, including a copy of the updated MSDS of each item and quantities to be used, following the same procedures as the initial HAZMAT submission.

- 1.9.5.1 A list of hazardous materials shall be updated during the performance of the contract whenever the Contractor determines that new hazardous materials are to be delivered or used on LAAF properties.

- 1.9.5 The Contractor shall report to the HAZMAT Pharmacy, their monthly HAZMAT usages for their activities on LAAF properties. By the Contractor reporting all their monthly HAZMATS usage through the HAZMAT Pharmacy, the Contractor's air emissions, EPCRA, solvent usage, and HAZMAT reporting requirements will be met.

- 1.9.4 The Contractor shall provide 61CELS/CLEAN through the Contracting Officer a point of contact for HAZMAT information and HAZMAT emergencies for their activities on LAAF properties.

- 1.10.2 In the event of a spill or release of hazardous materials, the Contractor should immediately call the Command Post at (310)653-3070. If the spill or release constitutes an emergency, emergency services should be notified immediately. In addition the Contractor shall notify 61CELS/CEAN through the Contracting Officer of a spill/release so that 61CELS/CEAN can determine if a required environmental regulatory agency Incident Release Report needs to be prepared and submitted based on the Reportable Quantity of the spill/release.
- 1.10.3 The Contractor shall take immediate action involving hazardous material spill/release to properly contain, clean up, make notifications, and provide final clean up documentation for their spill/release.
- 1.10.3.1 The Contractor is responsible for restoring a spill/release at the site to the same condition, or to an improved condition, prior to the spill/release.
- 1.10.3.2 The Contractor shall be responsible for the characterization and disposal of any clean up materials or hazardous waste generated from its spill/release clean up materials.
- 1.10.4 When the Contractor is unable to conduct proper clean up activities from a spill/release, then the Government reserves the right to conduct the clean up activities until the Contractor can properly conduct the clean up activities. All costs incurred by the Government until the Contractor is capable of taking control of the clean up activities are the sole responsibility of the Contractor.
- 1.10.5 The Contractor shall comply with LAAFB's spill/release clean up procedures including, but not limited to the following:
- 1.10.5.1 For general hazardous material-related spill/release, the Contractor shall comply with including, but are not limited to LAAFB's Hazardous Materials (HAZMAT) Emergency Response Plan Annex A to CEMP 10-2.
- 1.10.5.2 For hazardous waste spill/release at a Satellite Accumulation Point (SAP), Collection Accumulation Point (CAP), Temporary Accumulation Area (TAA), or Consolidated CAP, the Contractor shall comply with including, but not limited to the Hazardous Waste Management and Emergency Response Plans.
- 1.10.5.3 For oil storage facilities and oil tank-related spill/release, the Contractor shall comply with including, but are not limited to the SPCC Plan.
- 1.10.6 SUBMITTAL: The Contractor shall provide the following submittals to 61 CELS/CEAN through the Contracting Officer for approval, prior to conducting any hazardous material activities on LAAFB properties.
- Hazardous Materials Incident Reporting Form to 61 CELS/CEAN through the Contracting Officer for each spill/release on LAAFB properties.

Management Plan.

- 1.12.1 The Contractor shall comply with all disposal requirements including, but not limited to:  
 AF1 32-7042, Solid and Hazardous Waste Compliance; 61 CELS/CBAN's Solid Waste Management Plan, Pollution Prevention Management Plan, and Hazards Waste Management Plan.

## 1.12 DISPOSAL OF REMOVED MATERIALS MANAGEMENT REQUIREMENTS

- GPP Reference List
- Green Products Determination Form (GPDF)
- Recovered Materials Estimate and Certification Form (RMCF)
- QAP GPP Checklist-3

- 1.11.3 The Contractor is responsible for referring to Green Procurement reference tab 6.6 and completing the following forms:

- Recovered Materials  
 40 CFR 247, Comprehensive Guidelines for Procurement of Products Containing www.bioprefered.gov .
- United States Department of Agriculture (USDA) BioPreferred (CPG) www.eppa.gov/cpg
- Environmental Protection Agency (EPA) Comprehensive Procurement Guidelines USAF Guide to Green Purchasing.
- 61 CELS/CBAN Green Procurement Management Plan, Nov. 2007
- AF1 32-7080 Pollution Prevention Management Plan
- Farm Security and Rural Investment Act 2002 ("Farm Bill") Section 9002
- Air Force Engineering Technical Letter (ETL) 00-1
- Executive Order (EO) 13423 Strengthening Federal Environmental, Energy, and Transportation Management, Jan. 26, 2007. See Instruction for Implementing EO
- Federal Acquisition Regulation (FAR) 23.405; 52.223-9
- Resource Conservation and Recovery Act (RCRA) Section 6002, Federal Procurement

- 1.11.2 The Contractor shall comply with Green Procurement Requirements including, but not limited to the following:

- Environmental Preferably Preferable Products
- Products with Low or No Hazardous or Toxic Chemicals
- Non-Ozone Depleting Substances (ODS)
- Alternative Fuels and Fuel Efficiency
- Energy and Water Efficient Products
- Biobased products (Bio-preferred)
- Recovered Materials

- 1.11.1 Green Procurement is defined as the purchase of environmentally preferable products and services. GPP is intended to protect the environment, reduce energy consumption and is mandated by the Federal Government. GPP elements are as follow and must be addressed in the Environmental Protection Plan:

## 1.11 GREEN PROCUREMENT PLAN (GPP) REQUIREMENTS

- 1.12.2 The Contractor shall not dispose of any hazardous waste or designated waste on LAAFB properties.
- 1.12.3 The Government's Construction Inspector will examine all materials removed from the project not indicated for reuse and will tag or otherwise designate those materials that are serviceable or salvable.
  - 1.12.3.1 The Contractor shall turn in by appointment, all Government purchased serviceable or salvageable items. A copy of the items turned in shall be provided to the Contracting Officer.
  - 1.12.3.2 The Contractor shall turn in all locks, latches, and cylinders to the 61st Air Base Wing Civil Engineering Squadron, Base Lockshop, 61 CELS, (310)653-6339. A copy of the items turned in shall be provided to the Contracting Officer.
- 1.12.4 The Contractor shall schedule appointments to allow efficient processing of turn-ins. The Contractor shall dismantle equipment or serviceable or salvageable materials into separate components and drain all fluids, as required for acceptance by 61 CELS/CEAN. The Contractor shall protect materials from damage or theft during the interval between removal and disposal.
- 1.12.5 Any unusable items, with no salvage value, not accepted by the Government shall become the property of the Contractor. The Contractor shall properly handle, transport, and dispose of the items off-base in conformance with all federal, state, and local laws and regulations.

## **1.13 CONSTRUCTION, DEMOLITION, DECONSTRUCTION, AND OTHER SOLID WASTE REQUIREMENTS**

- 1.13.1 The Contractor shall comply with all solid waste requirements including, but not limited to: the California Hazardous Waste Source Reduction and Management Act of 1989 (Senate Bill 14); the California Integrated Waste Management Act of 1989; California Assembly Bill AB 939; AFI 32-7042, Solid and Hazardous Waste Compliance; 61 CELS/CEAN's Hazardous Waste Management Plan, Pollution Prevention Management Plan and Solid Waste Management Plan. The Contractor shall use these solid waste requirements as a means of reducing solid waste, increasing pollution prevention processes, and landfill diversion efforts like recycling and material reuse from construction, demolition, and deconstruction waste activities on LAAFB properties.
  - 1.13.1.1 The Contractor shall generate the least amount of solid waste possible, maximize pollution prevention processes, and landfill diversion efforts. The Contractor shall implement processes that ensure the generation of as little solid waste as possible including, but are not limited to: over-packaging; poor planning; breakage; mishandling; contamination; selection of material; and the lack of any solid waste reduction processes for activities on LAAFB properties.
  - 1.13.1.2 The Contractor shall segregate all recyclable materials including, but not limited to: wood; concrete; asphalt; cardboard; metal; and green waste. The Contractor

- 1.14.3 The Contractor shall not discharge any waters containing hazardous waste or industrial waste to grade, to the sanitary system, or to the storm water system.
- 1.14.2 The Contractor will keep construction activities under surveillance, management, and control to avoid pollution of surface and ground waters. The Contractor shall use sandbags or other methods around the entire construction site perimeter to prevent soil erosion and unplanned releases from entering the storm drain system.
- 1.14.1 The Contractor shall comply with all water quality requirements including, but not limited to: Safe Drinking Water Act; Clean Water Act; 40 CFR; 23 CCR; 17 CCR; Local Water Quality Departments; AFI 32-7041, Water Quality Compliance; 61 CELS/CEAN's Spill Prevention Control and Countermeasures Plan, Stormwater Pollution Best Management Practices and Wastewater Management Plan.

## 1.14 WATER QUALITY REQUIREMENTS

- Construction & Demolition Debris Reporting Form.
- 1.13.7 SUBMITTALS: The Contractor shall provide the following submissions to 61 CELS/CEAN through the Contracting Officer for approval.
- 1.13.6 The Contractor shall not dispose of any hazardous waste or designated waste on LAFB property. For proper disposal of hazardous waste, refer to section 1.8.
- 1.13.5 When the Contractor's activities include green waste, then the Contractor shall take recycling, or disposal. Disposal shall be considered the least desirable option.
- 1.13.4 When the Contractor's activities include asphalt, then the Contractor shall segregate asphalt and transport it off-base for reuse, recycling, or disposal. Disposal shall be considered the least desirable option.
- 1.13.3 When the Contractor's activities include concrete, the Contractor shall segregate and transport it off-base for reuse, recycling, or disposal. Disposal shall be considered the least desirable option.

- 1.13.2 Solid waste is rubbish, debris, waste materials, garbage, and other discarded solid materials (excluding clearing debris and hazardous waste). Solid waste shall be placed in containers and disposed on a regular schedule. All handling and disposal shall be conducted in such a way as to prevent spillage and contamination. The Contractor shall transport all solid waste off Government property and dispose of it in compliance with Federal, State, and local regulations pertaining to the use of the landfills area.

- 1.13.1.2 The Contractor shall cover by a tarpaulin or similar covering while transporting any type of refuse or solid waste generated on LAFB properties.

- 61 CELS/CEAN through the Contracting Officer, shall segregate all material by type and recycle material as instructed by

- 1.14.4 The Contractor shall not cause any back-siphon conditions to the water distribution system for any construction activities on LAAFB properties.
- 1.14.5 Wastewater directly derived from preparation of surfaces to be painted, and clean up of equipment after construction activities shall not be discharged into the storm water system. Exterior washing of structures is prohibited unless provided with the appropriate drainage controls (i.e., sand filter berms, storm drain covers, etc.) to ensure wastewater is filtered or collected and appropriately disposed. The Contractor is prohibited from cleaning or disposing of any paint products (i.e., paint brushes, rollers etc.) in the streets, gutters, and storm drains. Washing of latex paint products shall be done only at designated washbasins connected to the sanitary sewer system.
- 1.14.6 The Contractor shall obtain a State Water Resources Control Board National Pollutant Discharge Elimination System (NPDES) General Permit for activities of one acre or greater of disturbance on LAAFB.
- 1.14.6.1 The Contractor shall file a Notice Of Intent to comply with the terms of the State Water Resources Control Board NPDES General Permit for discharge of storm water runoff associated with activities on LAAFB. The Contractor shall provide a copy of the Notice of Intent to 61 CELS/CEAN through the Contracting Officer.
- 1.14.6.2 The Contractor shall develop a Storm Water Pollution Prevention Plan (SWPPP) in accordance with the NPDES General Permit, Section A: Storm Water Pollution Prevention Plan. The Contractor shall submit the SWPPP for approval to 61C ELS/CEAN through the Contracting Officer.
- 1.14.6.3 The Contractor shall file a Notice Of Termination to comply with the terms of the State Water Resources Control Board NPDES General Permit once the construction project is complete and the Notice of Intent's Basis Of Termination conditions have been met. The Contractor shall provide a copy of the Notice Of Termination to 61 CELS/CEAN through the Contracting Officer.
- 1.14.7 SUBMITTALS: The Contractor shall provide the following submittals to the Contracting Officer for approval by 61 CELS/CEAN prior to the start of any storm water activities greater than one acre on LAAFB properties:
- Notice Of Intent
  - Storm Water Pollution Prevention Plan
  - Draft Notice Of Termination

## **1.15 LEAD-BASED PAINT ABATEMENT & DISPOSAL REQUIREMENTS**

- 1.15.1 The Contractor shall comply with all lead-based paint abatement and disposal requirements including, but not limited to: 8 CCR 1532.1; 17 CCR 35100 et seq.; 29 CFR 1910.1025; 29 CFR 1926.62; Public Law 102-550 (Title X); 40 CFR 141 and 142; 40 CFR 745; 16 CFR 1303; 40 CFR 302; 40 CFR 260-280; 40 CFR 50.12; 61 CELS/CEAN's Lead-Based Paint Management Plan, Hazardous Waste Management Plan; and AFM 85-3.

## Environmental Construction Requirements

### Section 01010

- 1.16.1 The Contractor shall comply with all asbestos abatement and disposal requirements impacting activities greater than one acre on LAAF properties:  
 Contracting Officer for approval by 61 CELS/CEAN prior to the start of any lead-suspecting building materials that are identified after the contract has been awarded, the Contractor shall complete every effort to locate and identify all asbestos prior to bidding, however this is not always possible. These materials are often hidden and cannot be discovered until during demolition activities, after the start of construction activities, or after the results of sampling are known. In the event the Contractor suspects asbestos is present in buildings including, but not limited to: 8 CFR 1529; 22 CFR Division 4; California Labor Code 9000-9032; SCQMD rules (including Rule 1403), regulations, and PTOs; 40 CFR Part 61, Subpart M; 40 CFR Part 763, Subpart B; 40 CFR Parts 124, 260-270, 29 CFR 1926, 61, CFR 1926.1101; AFI 32-1052; AFOSH 48-8; and 61 CELS/CEAN's Hazardous Waste Management Plan, Asbestos Management Plan and Asbestos Operating Plan.
- 1.16.2 The Contractor shall comply with Specification Section 02085, Asbestos Abatement and Disposal, when asbestos is identified prior to construction. The Government will make every effort to locate and identify all asbestos prior to bidding, however this is not always possible. The Contractor shall complete every effort to locate and identify all asbestos prior to the start of construction activities, or after the results of sampling are known. In the event the Contractor suspects asbestos is present in buildings including, but not limited to: 8 CFR 1529; 22 CFR Division 4; California Labor Code 9000-9032; SCQMD rules (including Rule 1403), regulations, and PTOs; 40 CFR Part 61, Subpart M; 40 CFR Part 763, Subpart B; 40 CFR Parts 124, 260-270, 29 CFR 1926, 61, CFR 1926.1101; AFI 32-1052; AFOSH 48-8; and 61 CELS/CEAN's Hazardous Waste Management Plan, Asbestos Management Plan and Asbestos Operating Plan.
- 1.16.3 The Contractor shall comply with the requirements in Section 1.8, Hazardous Waste Disposal for any asbestos activities on LAAF properties.  
 1.16.4 SUBMITTALS: The Contractor shall provide the following submittals to the Contracting Officer for approval by 61 CELS/CEAN prior to the start of any asbestos impacting activities greater than one acre on LAAF properties:
- Requirements for any asbestos activities on LAAF properties.

- 1.15.1 The Contractor shall comply with Specification Section 02086 LBP Abatement and Disposal requirements:  
 Contracting Officer for approval by 61 CELS/CEAN prior to the start of any Lead-suspecting building materials that are identified after the contract has been awarded, the Contractor shall complete every effort to locate and identify all LBP prior to bidding, however this is not always possible. These materials are often hidden and cannot be discovered until during demolition activities, after the start of construction activities, or after the results of sampling are known. In the event the Contractor suspects LBP is present in buildings including, but not limited to: 8 CFR 1529; 22 CFR Division 4; California Labor Code 9000-9032; SCQMD rules (including Rule 1403), regulations, and PTOs; 40 CFR Part 61, Subpart M; 40 CFR Part 763, Subpart B; 40 CFR Parts 124, 260-270, 29 CFR 1926, 61, CFR 1926.1101; AFI 32-1052; AFOSH 48-8; and 61 CELS/CEAN's Hazardous Waste Management Plan, Asbestos Management Plan and Asbestos Operating Plan.
- 1.15.2 The Contractor shall comply with Specification Section 02086, Lead-Based Paint (LBP) Abatement and Disposal, when LBP is identified prior to construction. The Government will make every effort to locate and identify all LBP prior to bidding, however this is not always possible. The Contractor shall complete every effort to locate and identify all LBP prior to the start of construction activities, or after the results of sampling are known. In the event the Contractor suspects LBP is present in buildings including, but not limited to: 8 CFR 1529; 22 CFR Division 4; California Labor Code 9000-9032; SCQMD rules (including Rule 1403), regulations, and PTOs; 40 CFR Part 61, Subpart M; 40 CFR Part 763, Subpart B; 40 CFR Parts 124, 260-270, 29 CFR 1926, 61, CFR 1926.1101; AFI 32-1052; AFOSH 48-8; and 61 CELS/CEAN's Hazardous Waste Management Plan, Asbestos Management Plan and Asbestos Operating Plan.
- 1.15.3 The Contractor shall comply with the requirements in Section 1.8, Hazardous Waste Disposal for any LBP activities on LAAF properties.  
 1.15.4 SUBMITTALS: The Contractor shall provide the following submittals to the Contracting Officer for approval by 61 CELS/CEAN prior to the start of any Lead-suspecting building materials that are identified after the contract has been awarded, the Contractor shall complete every effort to locate and identify all LBP prior to bidding, however this is not always possible. These materials are often hidden and cannot be discovered until during demolition activities, after the start of construction activities, or after the results of sampling are known. In the event the Contractor suspects LBP is present in buildings including, but not limited to: 8 CFR 1529; 22 CFR Division 4; California Labor Code 9000-9032; SCQMD rules (including Rule 1403), regulations, and PTOs; 40 CFR Part 61, Subpart M; 40 CFR Part 763, Subpart B; 40 CFR Parts 124, 260-270, 29 CFR 1926, 61, CFR 1926.1101; AFI 32-1052; AFOSH 48-8; and 61 CELS/CEAN's Hazardous Waste Management Plan, Asbestos Management Plan and Asbestos Operating Plan.

- Asbestos abatement plan.

## **1.17 POLYCHLORINATED BIPHENYLS (PCBs) WASTE REQUIREMENTS**

- 1.17.1 The Contractor shall comply with all PCB waste requirements including, but not limited to: Resource Conservation and Recovery Act; 40 CFR Parts 240-299; CFR 49 Parts 171-180; Title 22 California Code of Regulations (CCR), Division 4.5; Toxic Substances Control Act, 40 CFR Part 763; and 61 CELS/CLV's Hazardous Waste Management Plan when removing and disposing of Polychlorinated Biphenyls (PCBs) and PCB containing equipment.
- 1.17.1.1 The Contractor shall not dispose of any PCB waste on LAAFB properties.
- 1.17.1.2 The Contractor shall coordinate the required PCB waste documentation with 61 CELS/CEAN through the Contracting Officer in order for the Government to accept, properly track, report, and dispose all of the hazardous waste generated on LAAFB. For additional information regarding hazardous waste, please reference section 1.8.
- 1.17.2 The Government will make every effort to locate and identify all PCBs prior to bidding, however this is not always possible.
- 1.17.3 The Contractor shall test all electrical equipment to be disposed of for polychlorinated biphenyls (PCBs) as a regulated waste. The Contractor shall pay for testing and laboratory analysis. The Government will make every effort to locate and identify all PCBs prior to bidding, however this is not always possible. If positive PCB identification has been made, then the Contractor shall notify 61 CELS/CEAN through the Contracting Officer prior to moving any PCB waste or PCB contaminated equipment on LAAFB properties.

## **1.18 RADIOACTIVE/RADIONUCLIDES MATERIALS REQUIREMENTS**

- 1.18.1 The Contractor shall comply with all radioactive/radionuclides material requirements including, but not limited to: 40 CFR Part 61 190, 191, and 192; 10 CFR 19; 10 CFR 20; 10 CFR 36; 10 CFR 39; 20 CFR 21; and AFI 40-201, Managing Radioactive Materials in the Air Force.
- 1.18.2 The Contractor shall provide the LAAFB Radiation Safety Officer through the Contracting Officer all of the required radioactive/radionuclide permits and forms completed prior to bringing any such material on LAAFB. Radioactive/ radionuclide materials brought onto LAAFB property are subject to inspections by the Nuclear Regulatory Commission. The Contractor shall support all regulatory agency inspections on LAAFB properties. The Contractor shall contact the LAAFB Radiation Safety Officer through the Contracting Officer for the appropriate documents and permits required at least 30 days prior to bringing the radioactive material onto LAAFB property.
- 1.18.3 The Contractor shall not dispose of any radioactive/radionuclide waste on LAAFB properties.

hours of discovery.

1.20.1 The Contractor shall report any underground storage tanks (USTs), associated UST piping, or contaminated soil to 61 CELS/CLEAN through the Contracting Officer within 8 hours of discovery.

## 1.20 UNDERGROUND STORAGE TANKS (UST) REPORTING REQUIREMENTS

- AST Technical Information
- Site specific Spill Prevention Control and Countermeasure Plan

1.19.6 SUBMITTALS: The Contractor shall provide the following submittals to the Contracting Officer for approval by 61 CELS/CLEAN prior to the start of any AST activities on LAAFB properties:

- Spill Prevention Plan and Rainwater Release Plan for secondary containment
- Access and security of the AST and spill/release cleanup procedures.
- Overfill protection features (alarm, automatic shut off system, and fill sump).
- Information on secondary containment capacity equal to or greater than the tank.
- Maps to include site location, include GPS information if available.
- Size of the AST and type of material to be used in the AST.
- Time period the AST is expected to be in operational use.
- Contract and/or Civil Engineer project number and emergency point of contact.

1.19.5 The Contractor shall provide all required documentation including, but not limited to:

1.19.4 The Contractor shall comply with release/spill procedures and immediately report any releases per LAAFB's Hazardous Materials (HAZMAT) Emergency Response Plan Annex A to CEMP 10-2 and 61 CELS/CLEAN's SPC Plan.

1.19.3 The Contractor shall provide a site specific Spill Prevention Control and Countermeasure Plan to 61 CELS/CLEAN through the Contracting Officer for greater capacity or a combination of ASTs of 1,320 gallons or greater capacity are used for activities on LAAFB property.

1.19.2 The Contractor shall obtain approval from 61 CELS/CLEAN through the Contracting Officer when an Above Ground Storage Tank (AST) is to be used on LAAFB properties.

1.19.1 The Contractor shall comply with all AST requirements including, but not limited to: The Clean Air Act; Clean Water Act; Oil Pollution Control Act; Federal Facilities Compliance Act; 40 CFR, 22 CFR; Local Air Quality Management District (AQMD) rules and regulations; AFT 32-7044, Storage Tank Compliance; 61 CELS/CLEAN's Spill Prevention Control and Countermeasures Plan and Storm Water Best Management Practices.

## 1.19 ABOVE GROUND STORAGE TANK (AST) REQUIREMENTS

## **1.21 HISTORICAL, ARCHAEOLOGICAL, AND CULTURAL RESOURCES**

- 1.21.1 The Contractor shall comply with all cultural resources requirements including, but not limited to the National Historic Preservation Act of 1966; Archaeological Resources Protection Act of 1979; Native American Graves Protection and Repatriation Act of 1990; American Indian Religious Freedom Act of 1978; State of California Health and Safety Statutes; AFI 32-7065, Cultural Resource Management; and 61 CELS/CEAN's Cultural Resource Management Plan.
- 1.21.2 The Contractor shall not, without proper authorization from 61 CELS/CEAN through the Contracting Officer, disturb any cultural sites or collect any prehistoric and historic artifacts on LAAFB properties. Unauthorized disturbances can be both a civil and criminal offense punishable by fine and imprisonment.
- 1.21.3 61 CELS/CEAN is responsible for the protection and management of prehistoric artifacts and sites, American Indian artifacts and sites, historical structures, and Cold War era structures, hereinafter known as cultural resources.
- 1.21.4 Cultural resources are sites, structures, features, artifacts, and other human derived items. These may include items such as: arrowheads and other flaked stone tools, beads, ornaments, sacred objects such as charmstones, hammerstones, stone bowls, bone tools, human remains, non-human bone, charcoal concentrations, unnatural concentrations of stone, shellfish remains, fossils, asphaltum, old bottles, cans, coins, buttons, antiques, foundations, early military materials, and other historical items. As a general rule, any cultural resource items over 50 years of age are protected. If any previously unidentified materials of these types are found individually or in concentrated deposits within the project area, the Contractor shall report these to 61 CELS/CEAN through the Contracting Officer. Cultural resources are not to be collected or disturbed without approval from 61 CELS/CEAN through the Contracting Officer.
- 1.21.5 The Contractor is responsible, unless otherwise noted, for implementation of any cultural resources avoidance or mitigation measures assigned to projects as a condition of approval. These measures may include: literature searches; archaeological and American Indian monitoring; flagging or fencing to protect resources; avoidance of resource areas; archaeological testing; data recovery; and report preparation. The Contractor shall coordinate with 61 CELS/CEAN through the Contracting Officer who will provide Statements of Work for implementing project specific required mitigation measures.
- 1.21.6 The Contractor shall immediately cease work if previously undocumented cultural resource items are found during excavation, grading, or other ground-disturbing activities. Work must be temporarily suspended within 100 feet of the discovery of the cultural resources until it has been properly evaluated and secured. In some instances, the Contractor may be directed to protect the immediate discovery area with temporary fencing. The Contractor or their Archaeological Monitor shall immediately report any discovery of previously unidentified cultural resources to 61 CELS/CEAN through the Contracting Officer.

## END OF SECTION 01010

### PART 3 - EXECUTION (Not Used)

### PART 2 - PRODUCTS (Not Used)

- 1.23.3 No ropes, cables, or guy's shall be fastened to or attached to any tree(s) for anchorage unless specifically authorized by the Contracting Officer. Where such special use is permitted, the Contractor shall provide effective protection to prevent damage to the tree and other land and vegetative resources. Unless specifically authorized by the Contracting Officer, no construction equipment or materials shall be placed or used within the drip-line of trees shown on the drawings to be saved except as shown on the drawings.

- 1.23.2 The Contractor shall restore all landscape features damaged or destroyed during construction activities to the sites original or improved condition as directed by the Contracting Officer.

- 1.23.1 The Contractor shall comply with including, but not limited to: White House Memorandum, Environmental and Economically Beneficial Practices on Federal Landscaping Grounds, 26 April 1994; AFI 32-7064, Integrated Natural Resources Management; USAF Landscape Design Guide; and LAAFB Base Landscaping Guidelines.

- 1.22.2 The Contractor shall immediately notify 61 CELS/CLEAN through the Contracting Officer if the Contractor or their biological monitors suspect the presence of any federally listed endangered or threatened species or their habitat to avoid violations of the Endangered Species Act.

- 1.22.1 The Contractor shall comply with all natural resources requirements including, but not limited to: the National Environmental Policy Act (NEPA); the Endangered Species Act; Executive Order 11990, Protection of Wetlands; California Coastal Act of 1976; and AFI 32-7064, Conservation and Management of Natural Resources. The Contractor shall keep activities under surveillance and control to minimize disturbances and damage to natural resources on LAAFB properties.

- 1.22 PROTECTION OF FISH, WILDLIFE, PLANTS, AND NATURAL RESOURCES